

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\
 Data File : VD066623.D
 Acq On : 10 Sep 2020 18:28
 Operator : VA/SY
 Sample : L3939-01
 Misc : 7.17G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B41-090820-0-1

Quant Time: Sep 11 02:09:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	345693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	638569	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	608431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	260778	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	236499	56.54	ug/l	0.00
Spiked Amount			Recovery	=	113.08%	
35) Dibromofluoromethane	7.91	113	224085	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	
50) Toluene-d8	10.34	98	797704	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
62) 4-Bromofluorobenzene	12.63	95	255387	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	

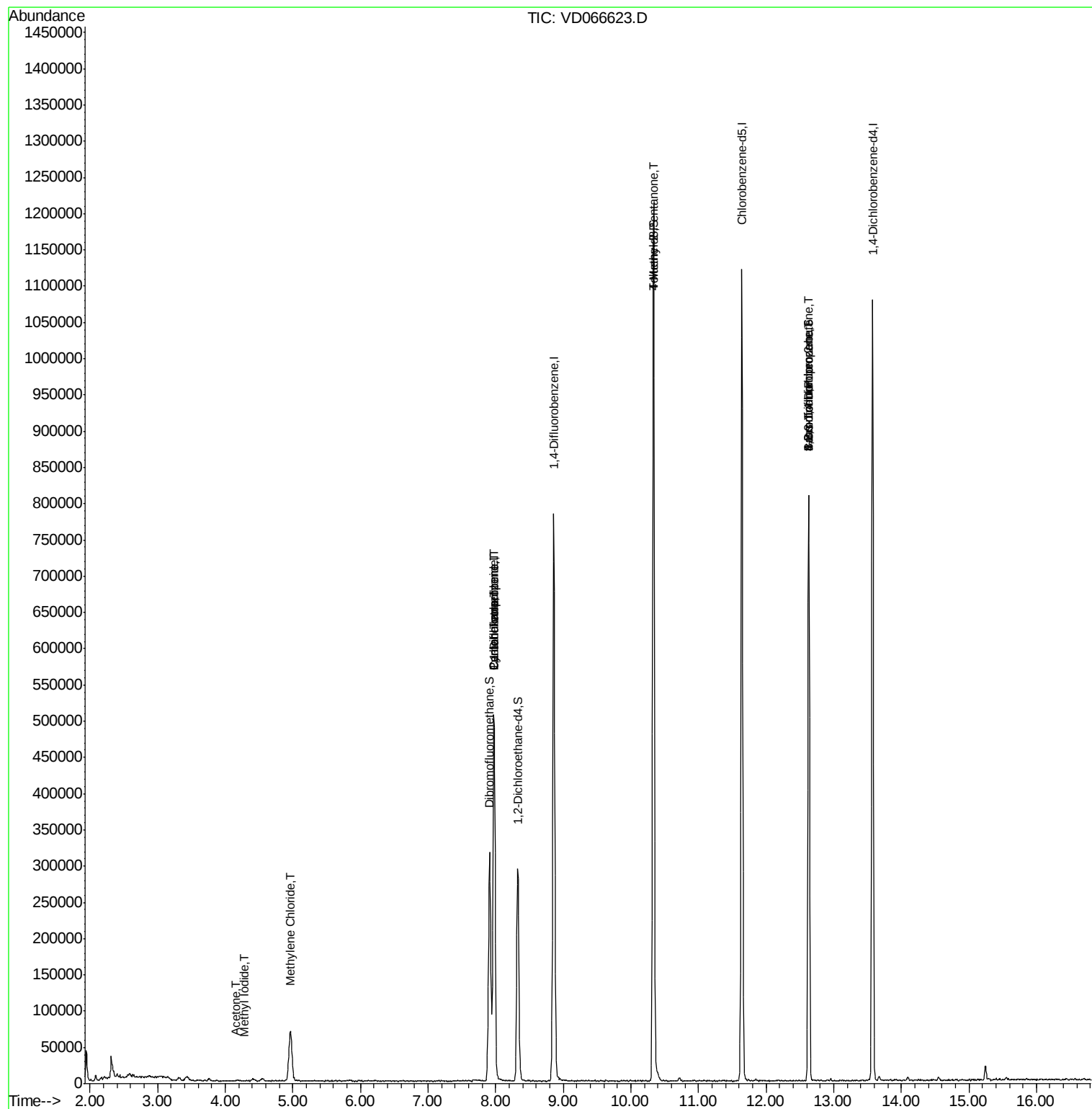
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.21	85	65	Below Cal	#	46
5) Bromomethane	2.77	94	256	Below Cal		97
10) Methyl Iodide	4.29	142	61	4.039	ug/l #	35
11) Tert butyl alcohol	5.16	59	55	Below Cal	#	74
16) Acetone	4.16	43	1159	1.506	ug/l #	1
20) Methylene Chloride	4.96	84	52738	6.865	ug/l	94
31) Cyclohexane	7.97	56	9304	1.364	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	32357	4.869	ug/l #	51
38) Carbon Tetrachloride	7.97	117	40010	5.696	ug/l #	18
51) 4-Methyl-2-Pentanone	10.33	43	4307	1.684	ug/l #	1
71) Bromoform	12.63	173	2663	1.103	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	142884	56.972	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	142884	133.009	ug/l #	7

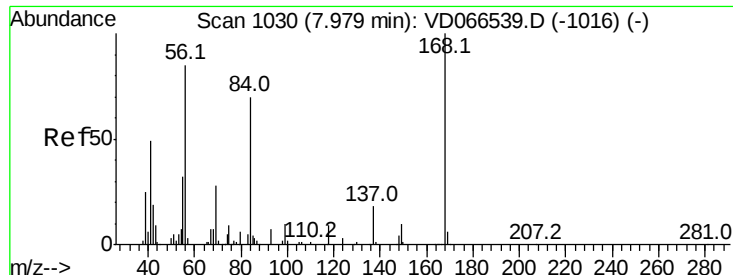
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066623.D

Acq: 10 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

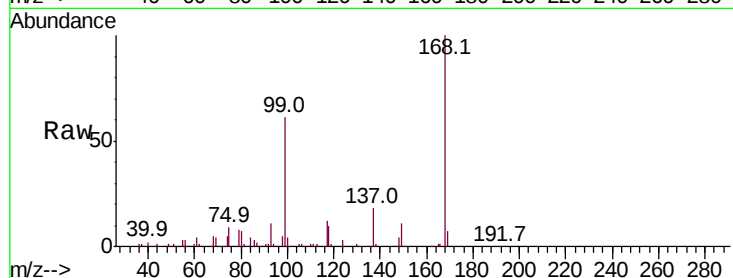
PAV-B41-090820-0-1

Tot Ion:168 Resp: 345693

Ion Ratio Lower Upper

168 100

99 61.4 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

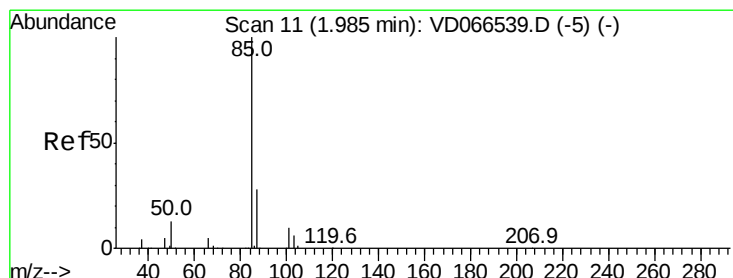
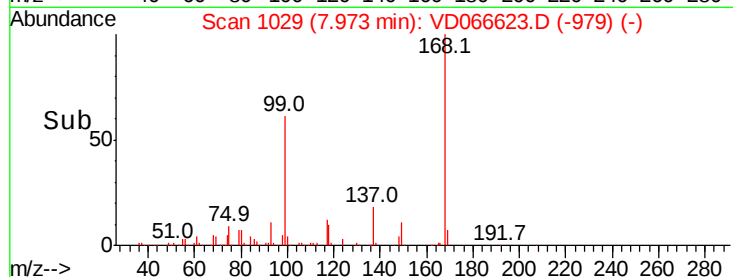
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.23 min

Lab File: VD066623.D

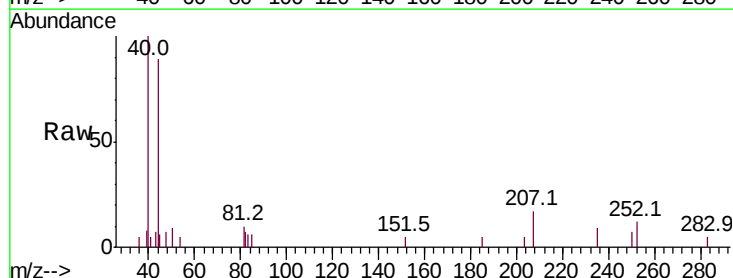
Acq: 10 Sep 2020 18:28

Tgt Ion: 85 Resp: 65

Ion Ratio Lower Upper

85 100

87 0.0 14.2 42.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.21

250

200

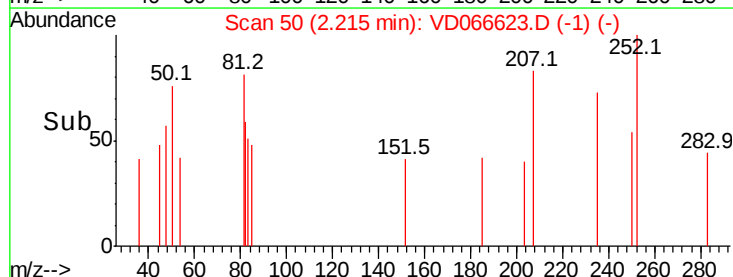
150

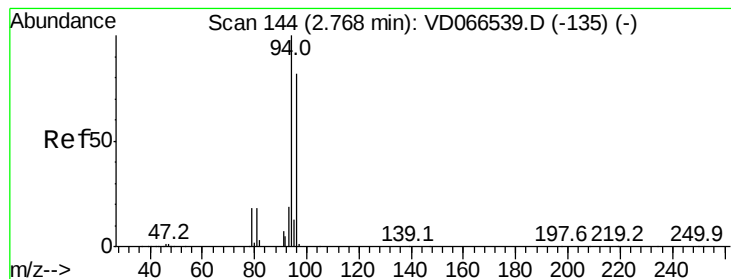
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD066623.D

Acq: 10 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

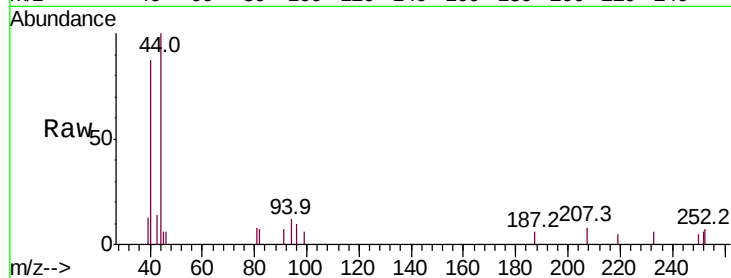
PAV-B41-090820-0-1

Tot Ion: 94 Resp: 256

Ion Ratio Lower Upper

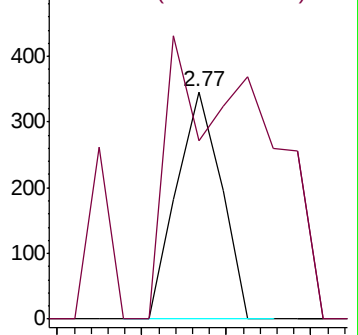
94 100

96 78.6 65.2 97.8

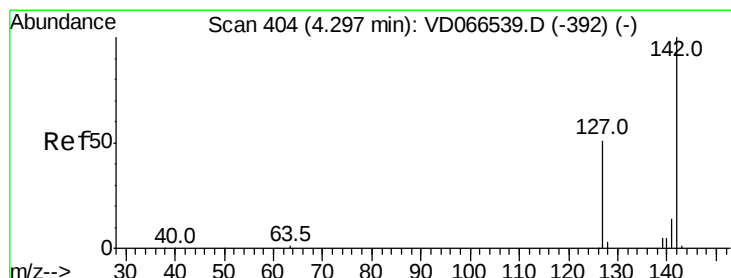
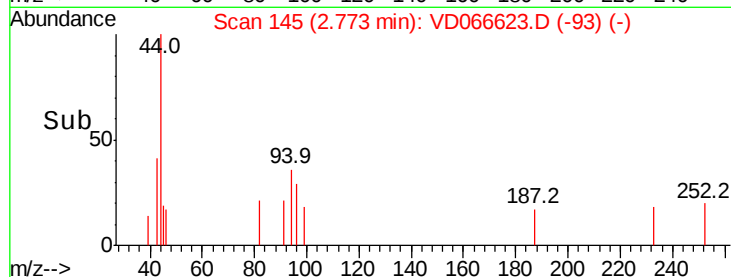


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#10

Methyl Iodide

Concen: 4.039 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD066623.D

Acq: 10 Sep 2020 18:28

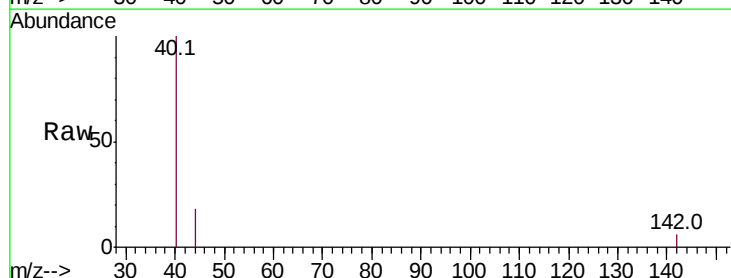
Tgt Ion: 142 Resp: 61

Ion Ratio Lower Upper

142 100

127 0.0 40.6 61.0#

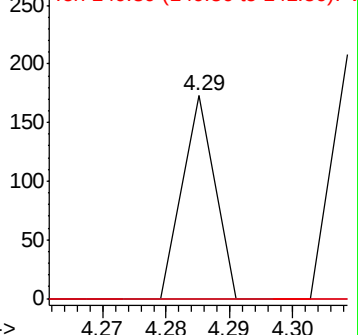
141 0.0 12.2 18.4#



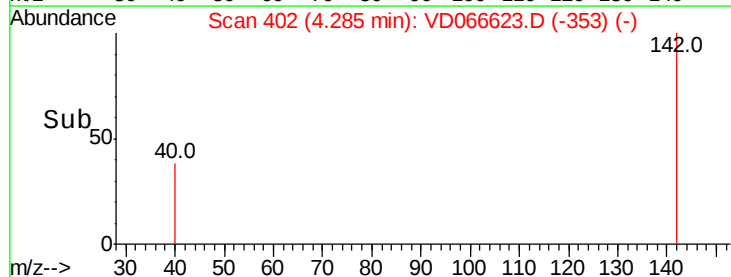
Abundance Ion 141.80 (141.50 to 142.50): V

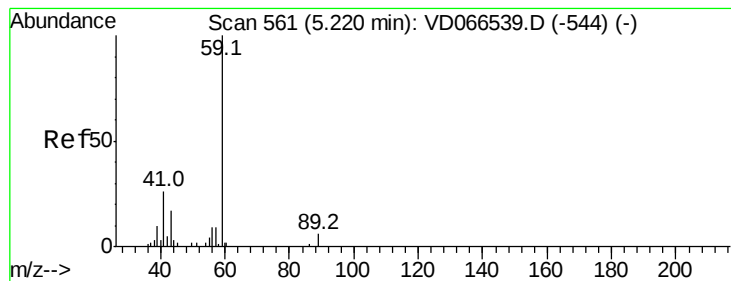
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



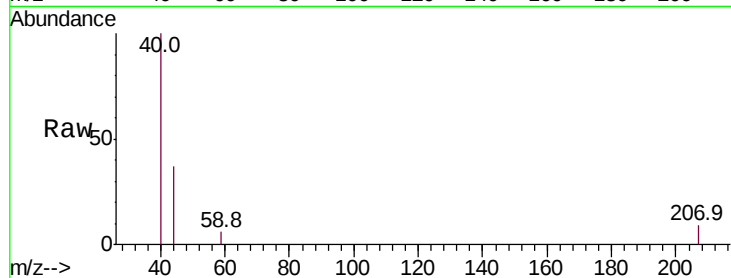


#11

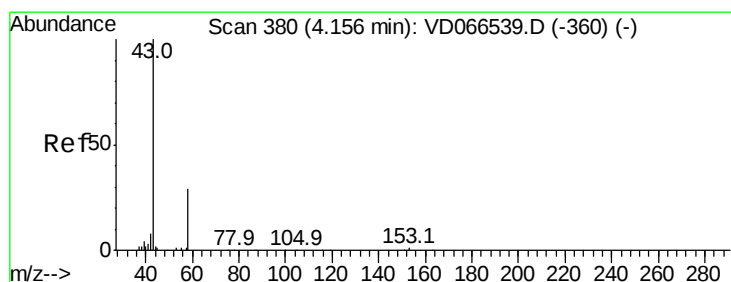
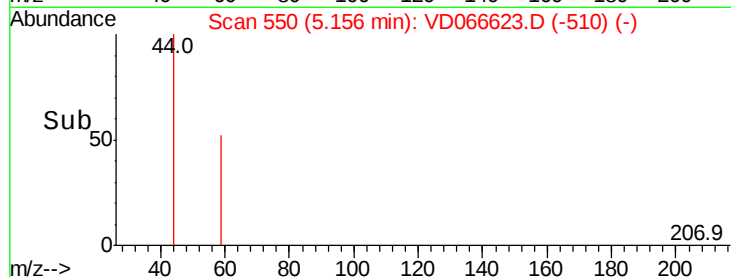
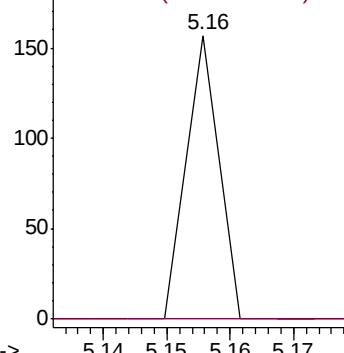
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.16 min Scan# 550
 Delta R.T. -0.06 min
 Lab File: VD066623.D
 Acq: 10 Sep 2020 18:28

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B41-090820-0-1

Tot Ion: 59 Resp: 55
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#



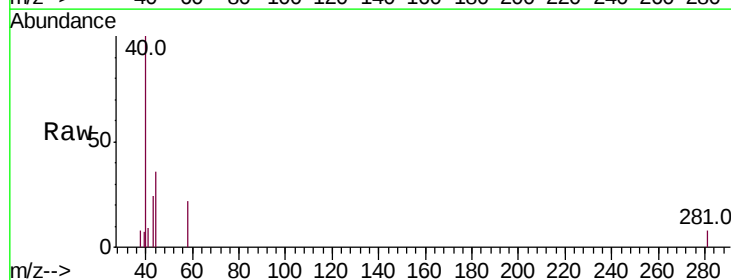
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



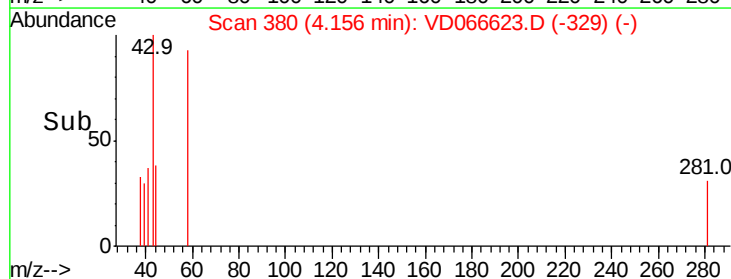
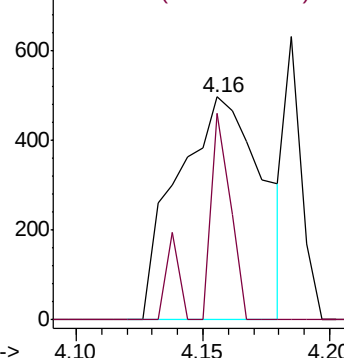
#16

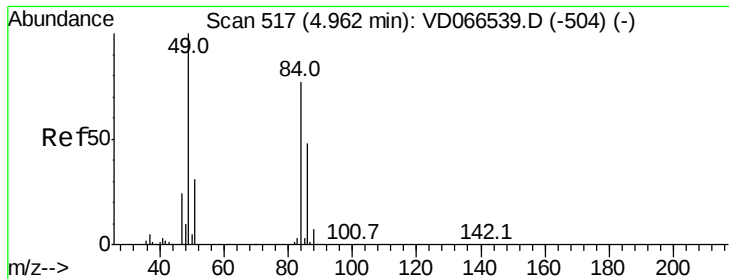
Acetone
 Concen: 1.506 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD066623.D
 Acq: 10 Sep 2020 18:28

Tgt Ion: 43 Resp: 1159
 Ion Ratio Lower Upper
 43 100
 58 92.6 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

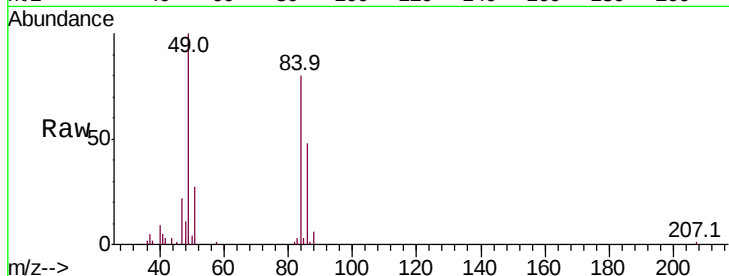




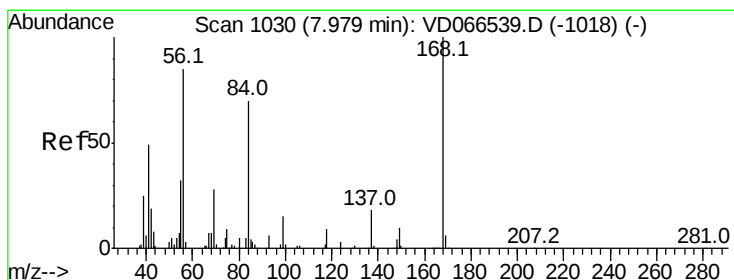
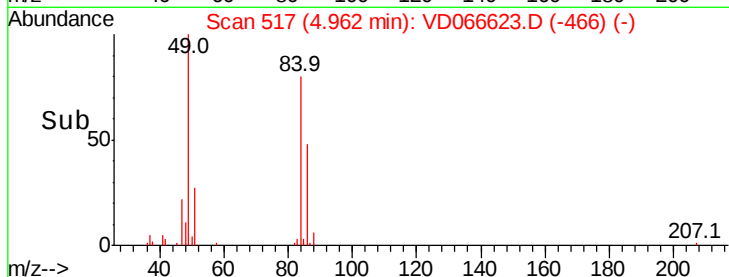
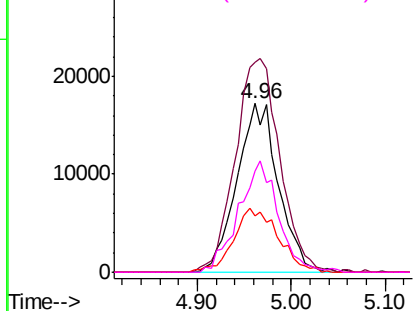
#20
Methvlene Chloride
Concen: 6.865 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD066623.D
Acq: 10 Sep 2020 18:28

Instrument :
MSVOA_D
ClientSampleId :
PAV-B41-090820-0-1

Tot Ion: 84 Resp: 52738
Ion Ratio Lower Upper
84 100
49 124.7 104.3 156.5
51 33.4 32.2 48.4
86 60.0 50.0 75.0

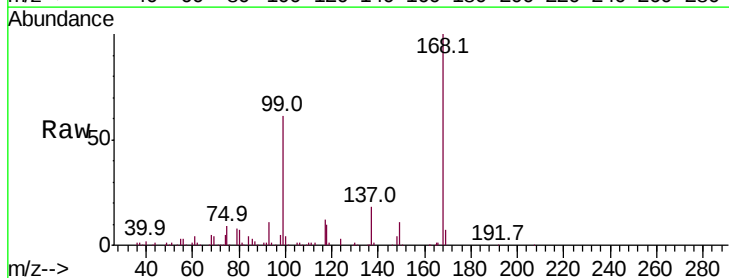


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

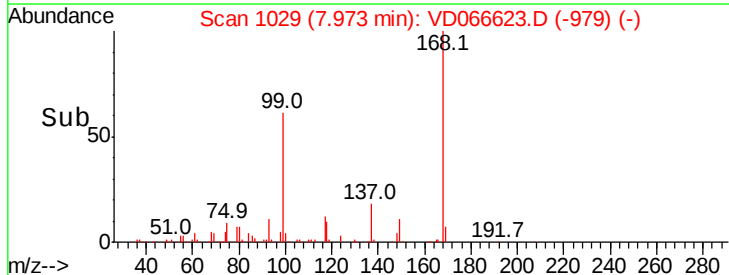
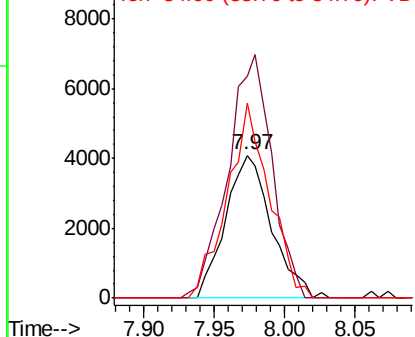


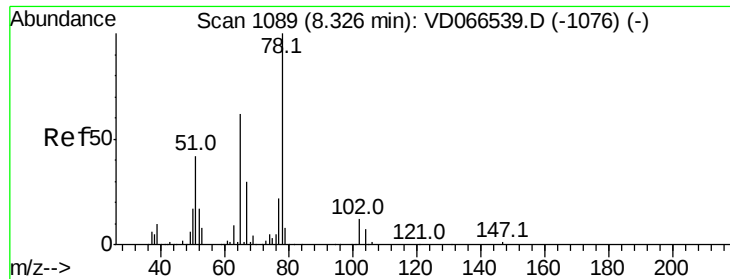
#31
Cyclohexane
Concen: 1.364 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066623.D
Acq: 10 Sep 2020 18:28

Tgt Ion: 56 Resp: 9304
Ion Ratio Lower Upper
56 100
69 155.2 26.3 39.5#
84 136.1 66.1 99.1#



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

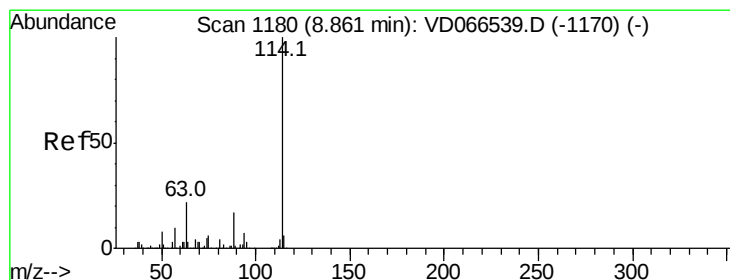
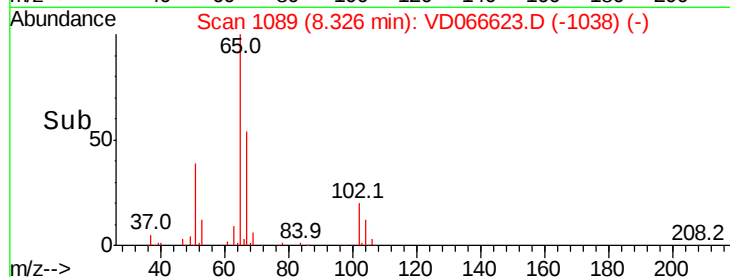
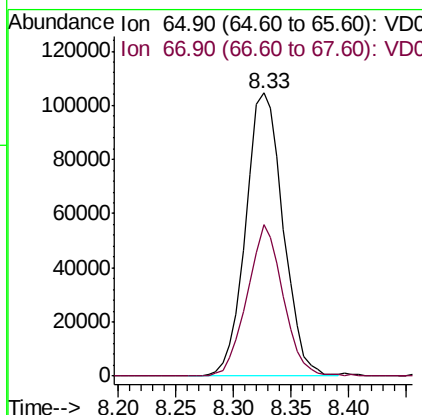
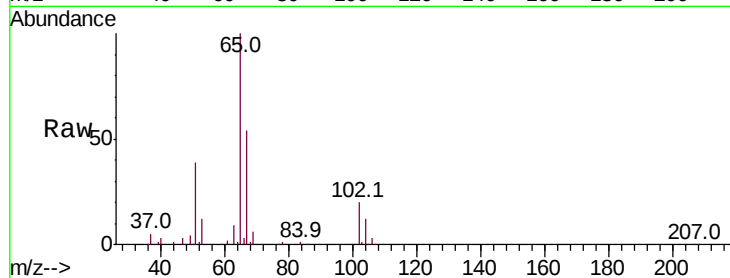




#33
 1,2-Dichloroethane-d4
 Concen: 56.544 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066623.D
 Acq: 10 Sep 2020 18:28

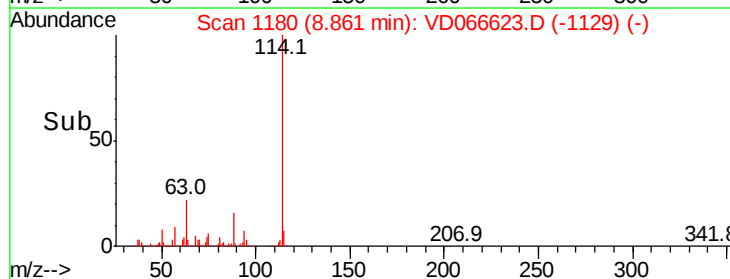
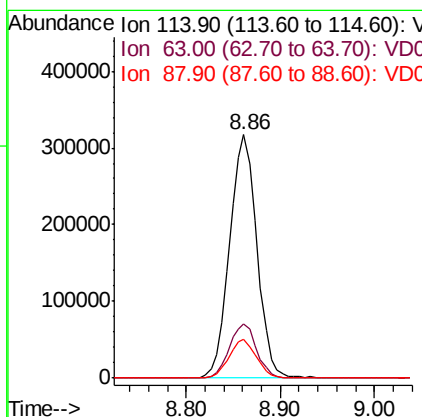
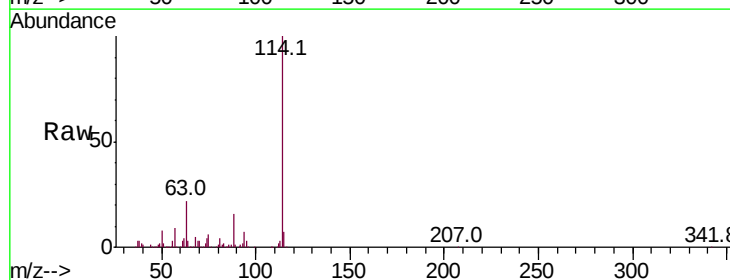
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B41-090820-0-1

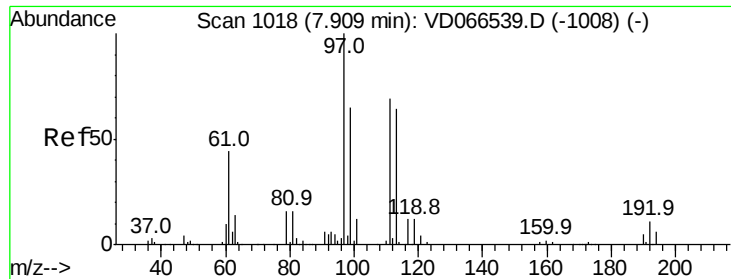
Tot Ion: 65 Resp: 236499
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066623.D
 Acq: 10 Sep 2020 18:28

Tgt Ion: 114 Resp: 638569
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.2
 88 15.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 52.018 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066623.D

Acq: 10 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

PAV-B41-090820-0-1

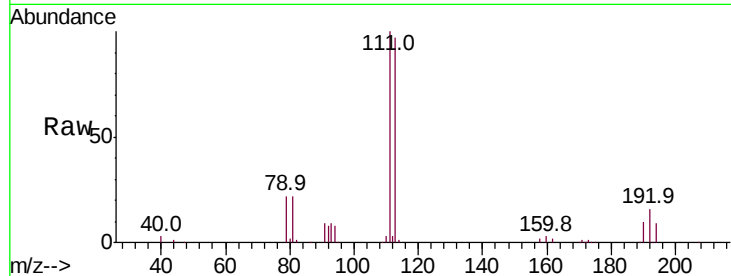
Tot Ion:113 Resp: 224085

Ion Ratio Lower Upper

113 100

111 103.2 83.2 124.8

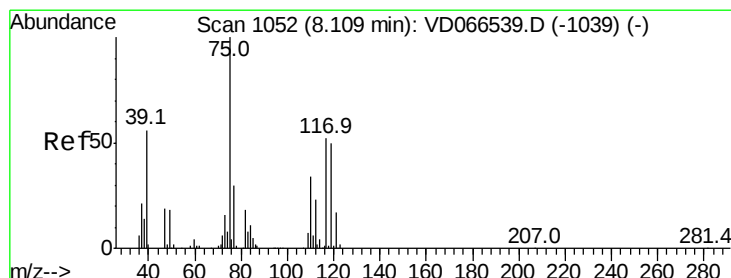
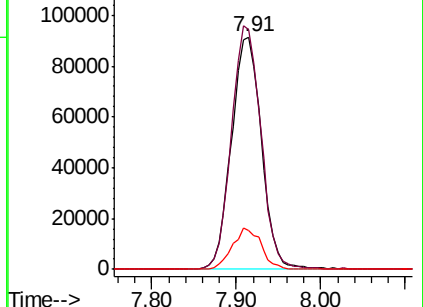
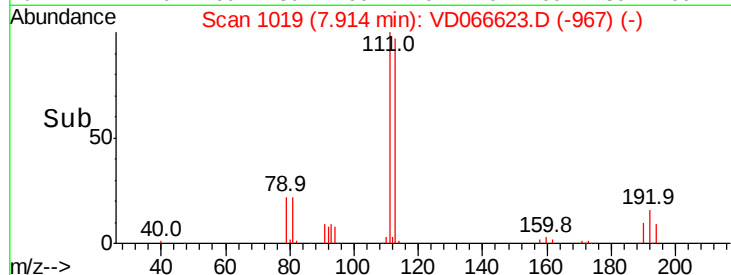
192 17.1 13.7 20.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.869 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066623.D

Acq: 10 Sep 2020 18:28

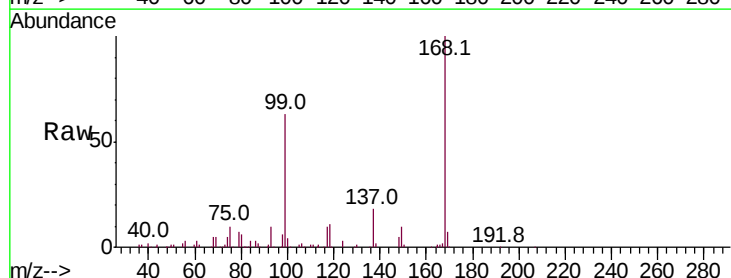
Tgt Ion: 75 Resp: 32357

Ion Ratio Lower Upper

75 100

110 10.6 17.3 52.0#

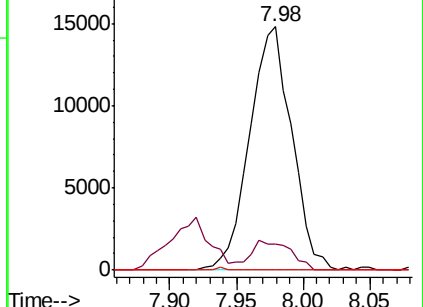
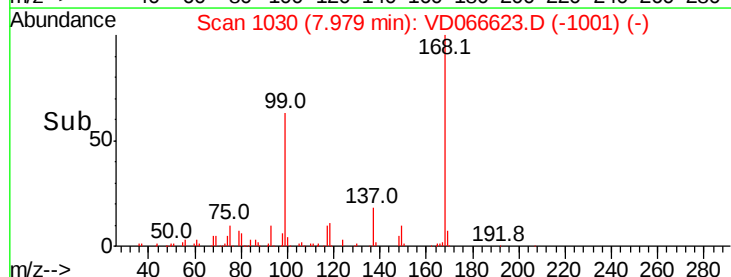
77 0.0 25.1 37.7#

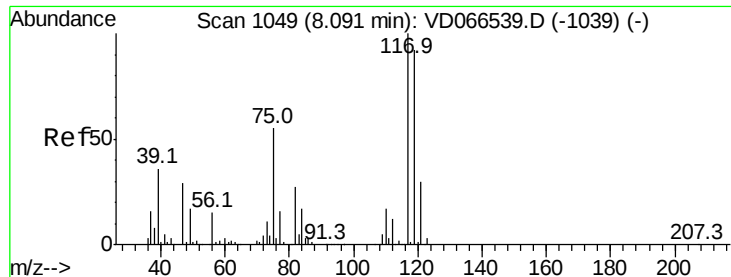


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.696 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066623.D

Acq: 10 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

PAV-B41-090820-0-1

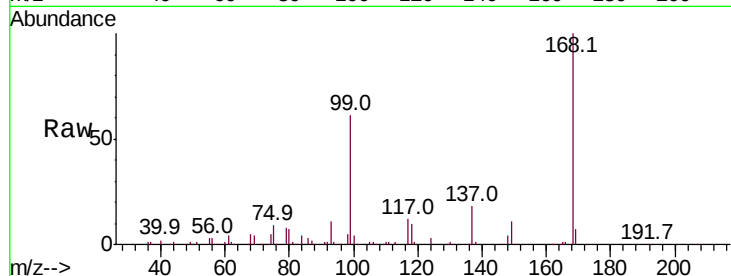
Tot Ion:117 Resp: 40010

Ion Ratio Lower Upper

117 100

119 6.0 73.9 110.9#

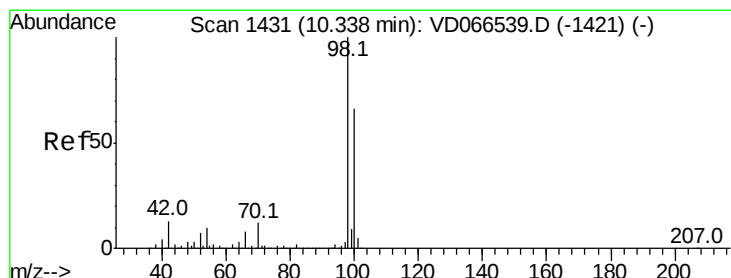
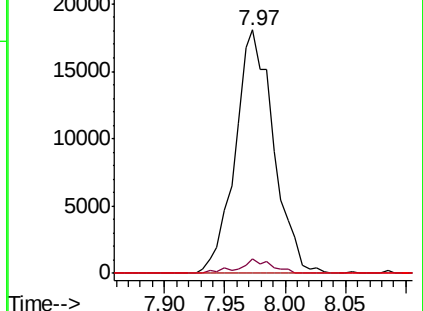
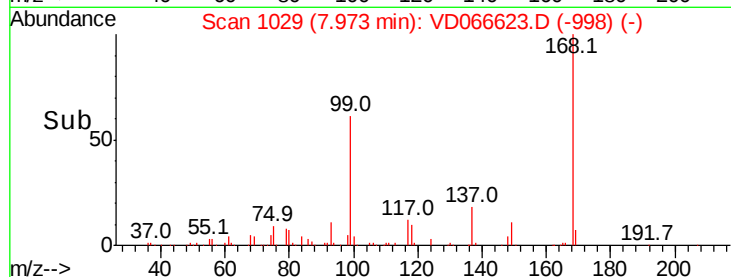
121 0.0 24.1 36.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 51.810 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066623.D

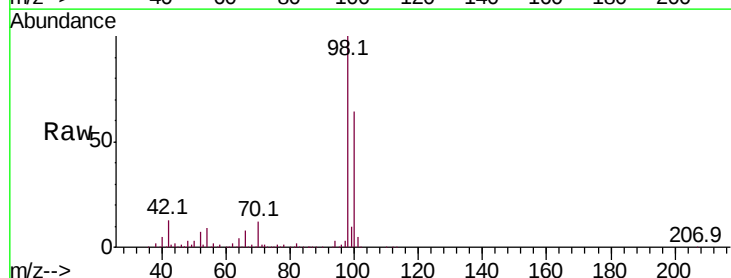
Acq: 10 Sep 2020 18:28

Tgt Ion: 98 Resp: 797704

Ion Ratio Lower Upper

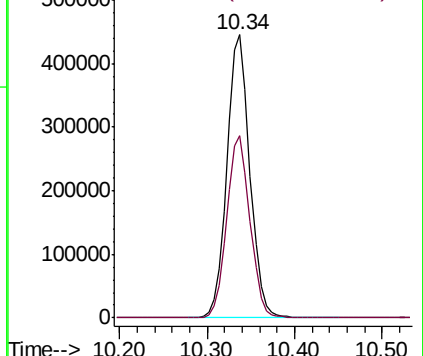
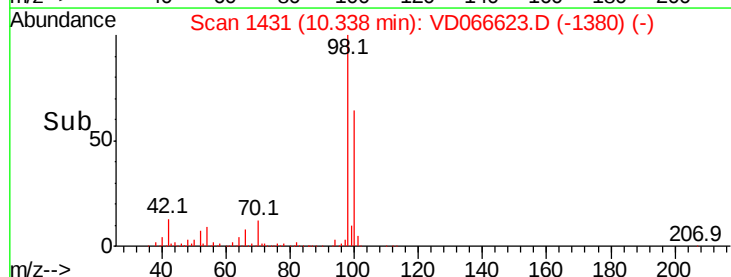
98 100

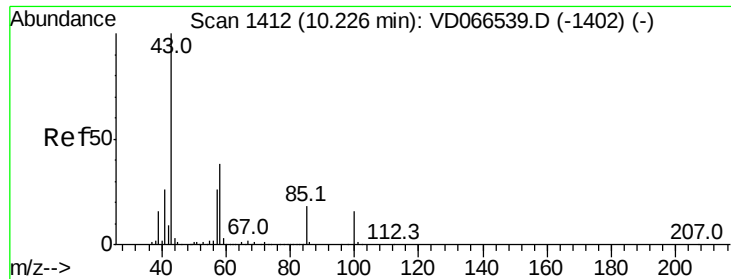
100 65.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.684 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.11 min

Lab File: VD066623.D

Acq: 10 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

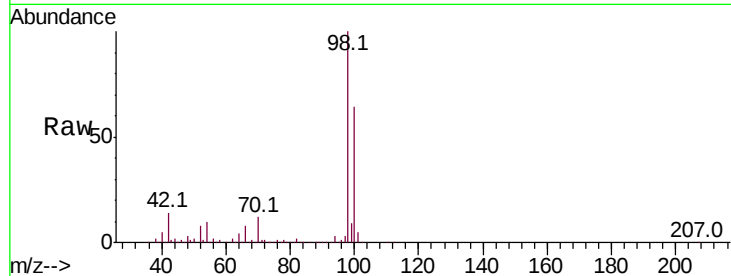
PAV-B41-090820-0-1

Tot Ion: 43 Resp: 4307

Ion Ratio Lower Upper

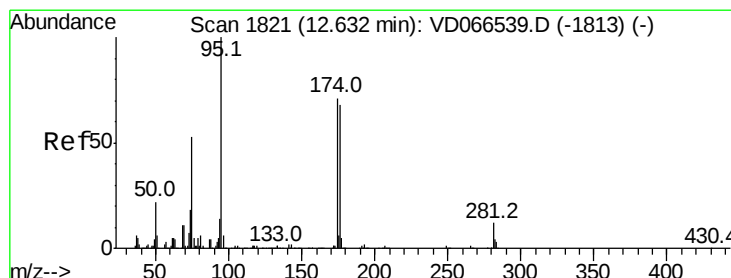
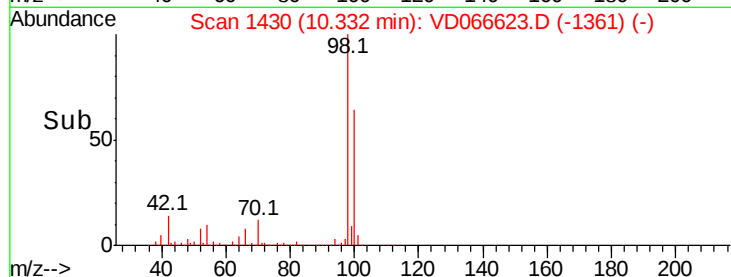
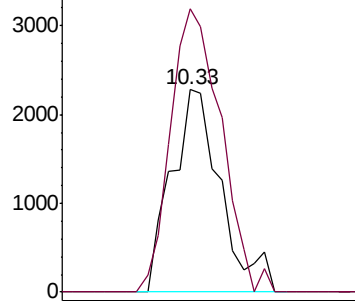
43 100

58 143.3 30.5 45.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 50.023 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066623.D

Acq: 10 Sep 2020 18:28

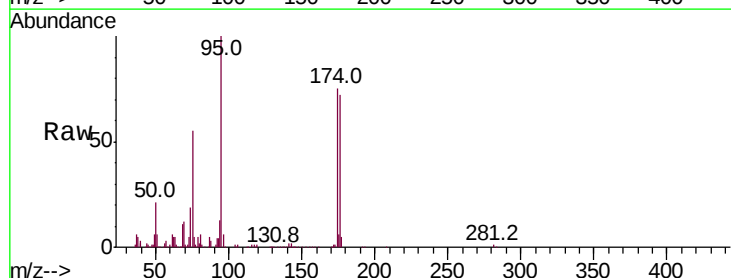
Tgt Ion: 95 Resp: 255387

Ion Ratio Lower Upper

95 100

174 75.7 0.0 155.8

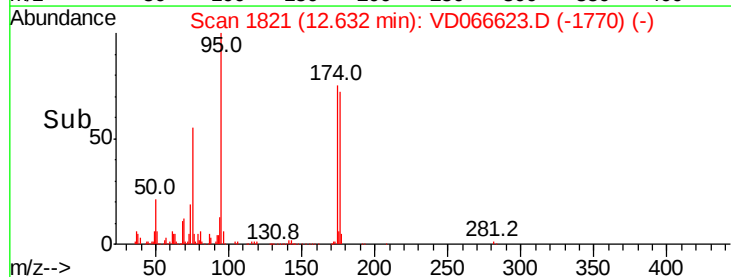
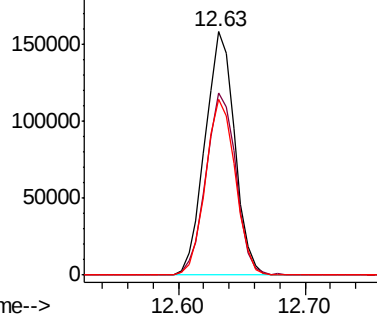
176 72.5 0.0 148.6

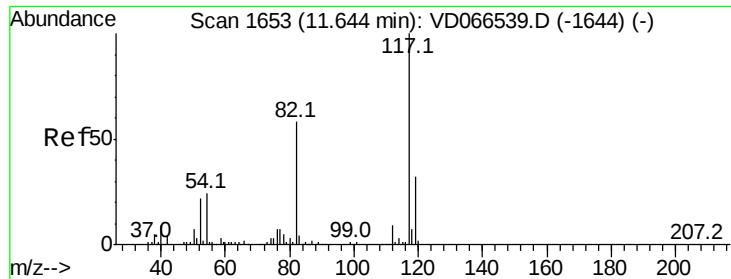


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

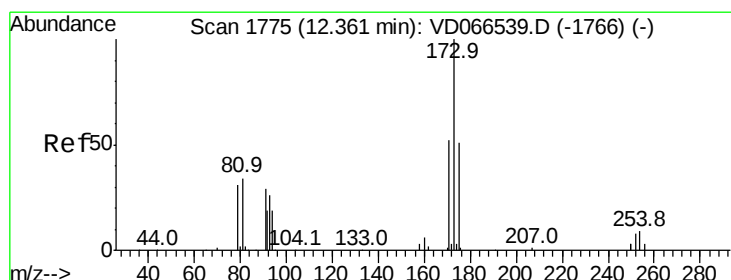
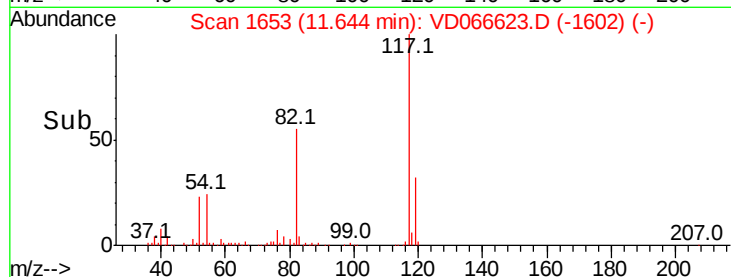
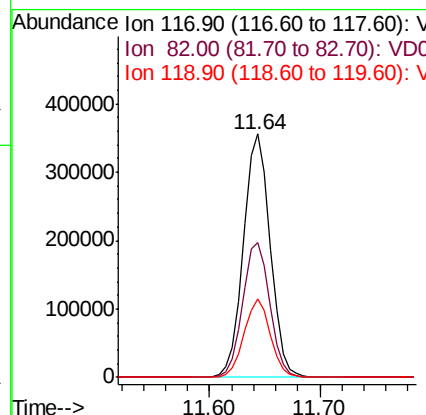
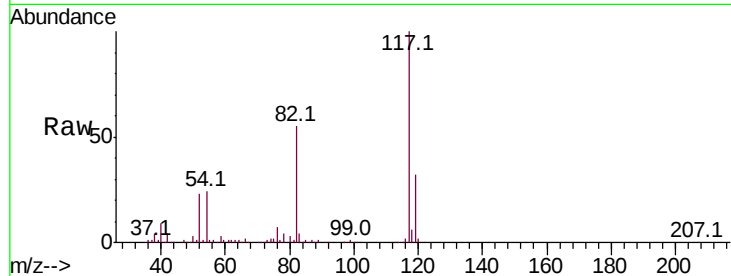




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066623.D
Acq: 10 Sep 2020 18:28

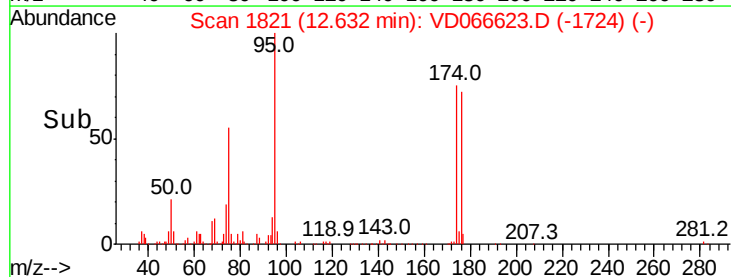
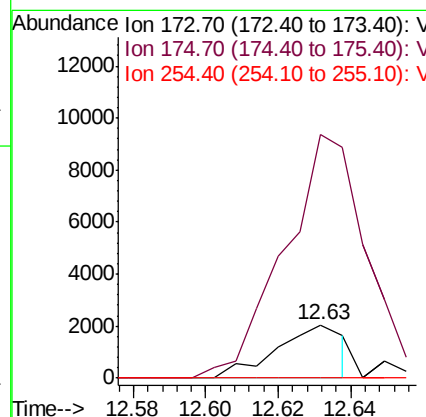
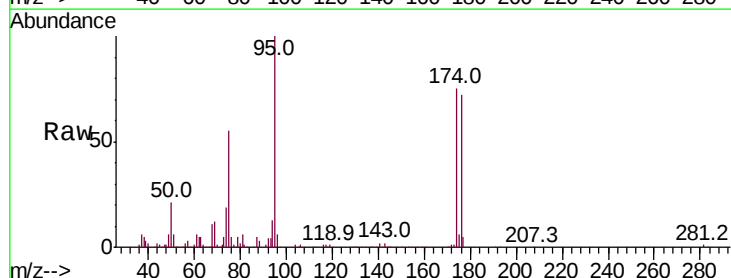
Instrument :
MSVOA_D
ClientSampleId :
PAV-B41-090820-0-1

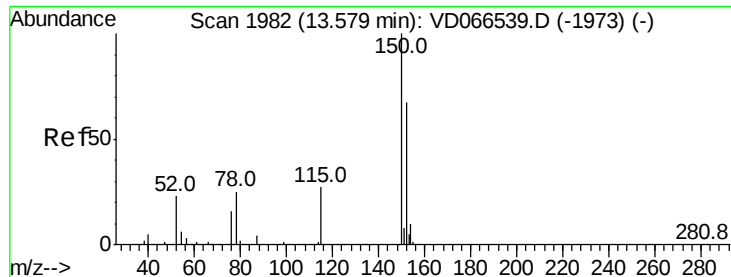
Tot Ion:117 Resp: 608431
Ion Ratio Lower Upper
117 100
82 55.5 46.2 69.2
119 32.0 25.8 38.8



#71
Bromoform
Concen: 1.103 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.27 min
Lab File: VD066623.D
Acq: 10 Sep 2020 18:28

Tgt Ion:173 Resp: 2663
Ion Ratio Lower Upper
173 100
175 428.4 24.2 72.6#
254 0.0 0.0 0.0



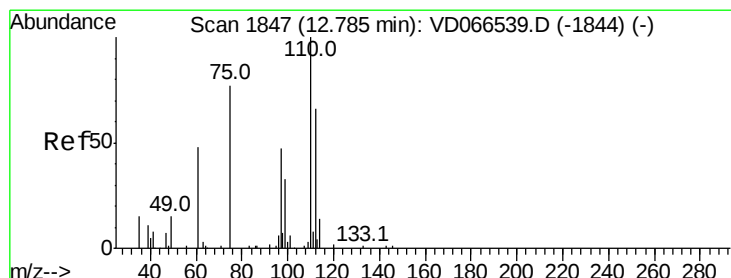
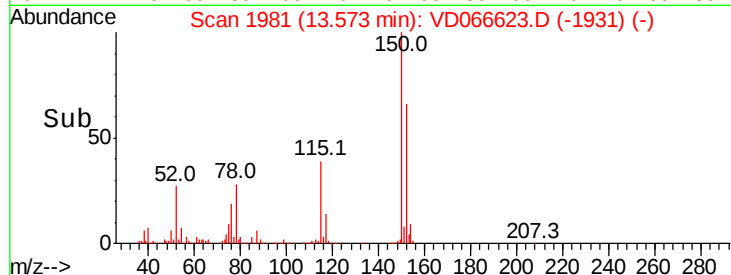
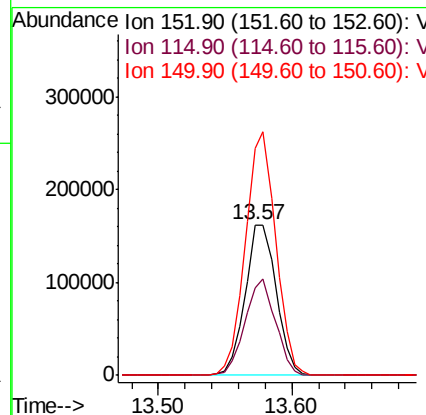
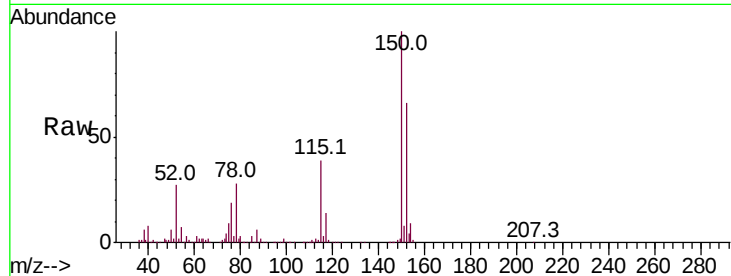


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.01 min
Lab File: VD066623.D
Acq: 10 Sep 2020 18:28

Instrument :
MSVOA_D
ClientSampleId :
PAV-B41-090820-0-1

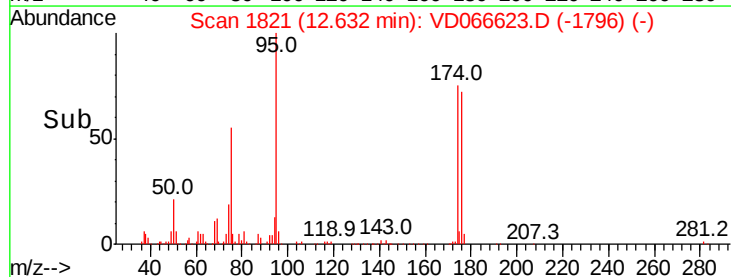
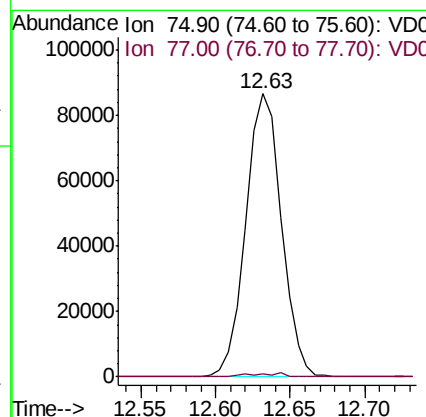
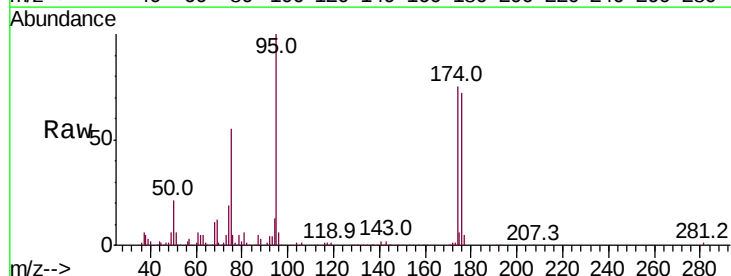
Tot Ion:152 Resp: 260778
Ion Ratio Lower Upper
152 100
115 62.6 30.4 91.2
150 157.4 0.0 345.8

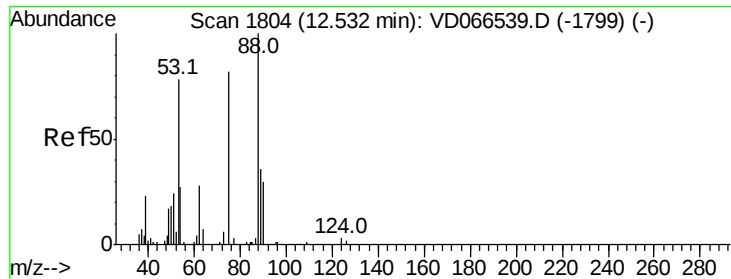


#76

1,2,3-Trichloropropane
Concen: 56.972 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD066623.D
Acq: 10 Sep 2020 18:28

Tgt Ion: 75 Resp: 142884
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 133.009 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066623.D

Acq: 10 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

PAV-B41-090820-0-1

Tot Ion: 75 Resp: 142884

Ion Ratio Lower Upper

75 100

53 0.1 87.0 130.4#

89 0.0 37.1 55.7#

